



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

D212-803-115
Job Sheet 169160



Part No: D212-803-115

Job Qty: 1 ea

Part Name: Left Hand Pilot In Command - Slim Design, Complete 212/412



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 12/4/17

Job Tracking No:

Due Date: 12/7/17

Created By: Mario Poulin

Type: SOLD

Description:

Customer: Eagle Copters Maintenance Ltd (CEAGL03)

823 McTavish Road NE Calgary, AB, T2E 7G9 Canada ph:(403) 250-7370

Note: DWG DSI9728 REV A, IIN-D212-803 REV D IPP REV:A 14.04.17 NEW ISSUE DD VERF:JLM IPP REV:B 15.07.03 AS PER ECN15-577 DD VERF:JLM

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup hrs	Run Hrs	Workcenter / Supplier	Lead Time	
90	Start up Operation	1 Ea		12/7/17	0.00	0.00	Start Up Stores/Pkg-1		SRL
110	Packaging	1 pcs		12/7/17	0.00	0.00	Packaging1-3		SPG
120	QC	1 pcs		12/7/17	0.00	0.00	QC4		7.10
125	DC	1 pcs		12/7/17	0.00	0.00	DC		AT
130	Packaging	1 pcs		12/7/17	0.00	0.00	Packaging3-1		Smis
140	QC21-FG	1 Ea		12/7/17	0.00	0.00	QC21		DAS

Part Op 110 - Pick Kit

Descriptions: 120 - QC4- 100% Inspect kits for completeness

125 - Document Control Photocopy blue file and type labels per PPP D212-803-115 CHG002

130 - Identify as per dwg & Stock Location: _____ Identify and pack for shipping as per PPP D212-803-115

Location: _____ PPP Rev: _____

140 - QC21- Final Inspection - Work Order Release

Job Allocations

Operation	Component Part	Required	Inventory	Allocated	Std Qty
90-Start up Operation	27ET51-T	1 STS80	1	0	0
	30-037-26	3 STS80	6	0	0
	30-037-3	2 STS80	4	0	0
	51MXY-5-J	1 STS83	2	0	0
	AN961-6T	3	105	0	0
	D4411-7	1	4	0	0
	D5046-043	1	2	0	0
	D5049-1	1	28	0	0
	D5055-3	1	2	0	0
	D5055-5	1	4	0	0
	D5055-7	1	4	0	0
	D5055-9	1	4	0	0
	M39029/31-228	2	16	0	0
	M39029/31-240	21	62	0	0
	M39029/32-247	2	6	0	0
	M39029/32-259	21	32	0	0
	MS171599	1	9	0	0
	MS21042L06	3	176	0	0
	MS21042L3	1	4,687	0	0
	F196048	1			
	S020302	3			
	S020298	2			
	S020290	1			
	S020277	3			
	S020270	1			
	S020265	1			
	F119087	1			
	S020253	1			
	S020248	1			
	S020244	1			
	S020241	1			
	S020239	2			
	S020233	21			
	S020229	2			
	S020226	21			
	S020207	1			
	S020205	3			
	S020203	1			

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube _____ Machining _____ Thermoforming _____ Large Fab _____	
Date : _____		Step #: _____		QTY Effect _____	
Description Work Order Deviation Dart Aerospace Ltd. 1270 Aberdeen Street Hawkesbury, ON K64 1K7 CANADA TEL.: 1 613 632-5200 Email: sales@dartaero.com www.dartaerospace.com S020350 Left Hand Pilot In Command – Slim Design, Complete 212/412 PART NO: D212-803-115 Revision: Start up Operation Operation: 12/12/17 Change No: Job No: 169160					
Root Cause Environment ☐ No Re-verification ☐ Design ☐ Operator ☐ Doc/Data ☐ Offset/Setup ☐ Equip/Tooling ☐ Supplier ☐ Handling/Pre ☐ Training ☐ Material ☐ Use for Testing ☐ Internal Transport ☐ Poor Information ☐ Tribal Knowledge ☐ Rushing ☐ LOA ☐ Product Improvement ☐ Substation ☐ Process Improvement ☐ Past Expiry Date ☐ Manufacturing Process ☐ Misidentified ☐ Past Due ☐		Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐		Temperature/Cur ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/I ☐ Inspection Incom ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incon ☐ Drill Holes ☐	
☐ Misaligned/off center ☐ Turning Sequence					

-MS21044N04 S 020094 ✓
 -MS21919WDG10 S 020086 ✓
 S 020346 -MS21919WDG19 S 020071 ✓
 -MS24523-27 S 020079 1 ✓
 -MS24693-S7 S 020070 2 ✓
 -MS27039-1-07 S 020053 1 ✓
 -MS27212-1-3 S 020046 1 ✓
 -MS3120E16-99S S 020041 ✓
 -MS3126E16-99P S 020034 2 ✓
 -MS3373-A1 S 020026 3 ✓
 -MS35206-226 S 020021 5 ✓
 -NAS1149D0363J S 020018 2 ✓
 -NAS1197-6 S 020013 5 ✓

23	0	0
66	0	0
3	0	0
3 ST290	0	0
57 ST287	0	0
81	0	0
3	0	0
3	0	0
26	0	0
7 ST272	0	0
95	0	0
5,011	0	0
130 ST261	0	0

Part Specifications

Specifications could not be found.

UQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS <table style="width: 100%; border: none;"> <tr> <td style="width: 15%;">Skid-tube ☐</td> <td style="width: 15%;">Cross tube ☐</td> <td style="width: 15%;">Water Jet ☐</td> <td style="width: 15%;">Engineering ☐</td> </tr> <tr> <td>Machining ☐</td> <td>Small Fab ☐</td> <td>Prod. Eng. Coord. ☐</td> <td>Quality ☐</td> </tr> <tr> <td>Thermoforming ☐</td> <td>Finishing ☐</td> <td>Rec/Store/Packaging ☐</td> <td>Other ☐</td> </tr> <tr> <td>Large Fab ☐</td> <td>Composite ☐</td> <td>Supplier ☐</td> <td></td> </tr> </table>						Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐																						
Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐																						
Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐																						
Large Fab ☐	Composite ☐	Supplier ☐																							
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval																		
Description Work Order Deviation				Disposition				Completed By																	
								Lead hand / Supervisor Approval Verification																	
								QC / QA Coordinator Approval																	
Root Cause		FAULT CATEGORY																							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐																				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐																				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐																				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐																				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐																				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐																				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐																				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐																				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐																				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐																				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER :																							
Misidentified ☐	Past Due ☐																								

6. PARTS LIST – SMALL COLLECTIVE HEAD KITS

Qty -111	Qty -113	Qty -115	Qty -117	Qty -119	Qty -121	Qty -123	Part Number	Description
X							D205-803-111	LEFT HAND PILOT IN COMMAND, COMPLETE KIT
	X						D205-803-113	LEFT HAND PILOT IN COMMAND, MECHANICAL ONLY
		X					D212-803-115	LEFT HAND PILOT IN COMMAND, COMPLETE KIT
			X				D212-803-117	LEFT HAND PILOT IN COMMAND, MECHANICAL ONLY
				X			D212-803-119	LEFT HAND PILOT IN COMMAND, EAGLE SINGLE
					X		D205-803-121	LEFT HAND PILOT IN COMMAND, COMPLETE KIT
						X	D205-803-123	LEFT HAND PILOT IN COMMAND, MECHANICAL ONLY
1	1						D5046-041	CO-PILOT COLLECTIVE HEAD ASSEMBLY (205)
		1	1				D5046-043	CO-PILOT COLLECTIVE HEAD ASSEMBLY (212)
				1			D5046-045	CO-PILOT COLLECTIVE HEAD ASSEMBLY (EAGLE SINGLE)
					1	1	D5046-047	CO-PILOT COLLECTIVE HEAD ASSEMBLY (205 WITH THE 204-001-290-5 STICK AND THROTTLE ASSY INSTALLED)
1	1	1	1	1	1	1	D5049-1	FACE PLATE
1	1			1	1	1	D4410-9	TRIGGER
1	1			1	1	1	D5055-1	PLACARD
1	1	1	1	1	1	1	D5055-3	PLACARD
		1	1				D5055-5	PLACARD
		1	1				D5055-7	PLACARD
		1	1				D5055-9	PLACARD
1	1	1	1	1			D4411-7	PLACARD
		1					27ET61-T	SWITCH (ALT P/N 212-075-153-3)
1					1		2PB744-T2	SWITCH
		3					30-037-26	DIODE ASSEMBLY
		2					30-037-3	DIODE ASSEMBLY
1	1			1	1	1	AN565F8H9	SETSCREW
		3					AN981-8T	WASHER
		1					51MXY-5-J	SWITCH
1					1		C100E2-39	SWITCH
17		AR (21)			17		M39029/31-240	PIN
17		AR (21)			17		M39029/32-259	SOCKET
		AR (2)					M39029/31-228	PIN
		AR (2)					M39029/32-247	SOCKET
1	1			1	1	1	MS20253-1-065	PIN
		3					MS21042L06	NUT
1	1			1	1	1	MS21042L08	NUT
1	1	1	1	1	1	1	MS21042L3	NUT
		2					MS21044N04	NUT
1	1	1	1	1			MS21919WDG10	CLAMP
		1	1	1			MS21919WDG19	CLAMP
1	1						MS21919WDG20	CLAMP
		1					MS24523-27	SWITCH
		2					MS24693-S7	SCREW
1	1	1	1	1	1	1	MS27039-1-07	SCREW
		1					MS27212-1-3	TERMINAL BOARD
1					1		MS3126E14-19P	PLUG
1					1		MS3120E14-19S	SOCKET
		2					MS3126E16-99P	PLUG
		1					MS3120E16-99S	SOCKET
		3					MS3373-A1	STRIP
5	5	5	5	5	5	5	MS35206-226	SCREW
2	2	2	2	2			NAS1149D0363J	WASHER
5	5	5	5	5	5	5	NAS1197-6	WASHER
					2	2	MS24665-289	COTTER PIN
1	1	1	1	1	1	1	D212-803	KIT PAPERWORK

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